	Application No.	Applicant(s)
Notice of Allowability	10/510,583	AUNER, NORBERT
	Examiner	Art Unit
	Chukwuma O. Nwaonicha	1621
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	plication. If not included will be mailed in due course. THIS
1. This communication is responsive to 16 January 2007.		
2. X The allowed claim(s) is/are 24-31, 33-40, 52, 53 and 55 (no	ow renumbered 1-19, respectively).	
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 	•	
2. Certified copies of the priority documents have		
3. Copies of the certified copies of the priority do		
International Bureau (PCT Rule 17.2(a)).		national stage application from the
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a reply lENT of this application.	complying with the requirements
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 	itted. Note the attached EXAMINER' es reason(s) why the oath or declara	S AMENDMENT or NOTICE OF tion is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.	
(a) including changes required by the Notice of Draftspers		948) attached
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the O	ffice action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the	.84(c)) should be written on the drawir he header according to 37 CFR 1.121(o	ngs in the front (not the back) of
 DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT 		
Attachment(s)		
1. Notice of References Cited (PTO-892)	5. Notice of Informal P	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☑ Interview Summary Paper No./Mail Dat	
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 	7. 🛭 Examiner's Amendn	nent/Comment
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 	8. 🛛 Examiner's Stateme	nt of Reasons for Allowance
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	THURI SUPERVISOR) TSCH:((01.0	MAN K. PAGE PAJESTE EXAMINER DGY CENVER 1600

Application/Control Number: 10/510,583 Page 2

Art Unit: 1621

DETAILED ACTION

Current Status

1. This action is responsive to Applicants' amendment of 16 January 2007.

2. Receipt and entry of Applicants' amendment is acknowledged.

3. Claims 24-31, 33-40, 52, 53 and 55 are under active consideration in the instant application.

4. The rejection of claims 24-31, 33-40, 52, 53 and 55 under 35 U.S.C. 103 as being unpatentable over Griesshammer et al., {CN 1153138} for the reasons set forth in the previous Office Action of 10/16/06 has been withdrawn following applicants amendment.

Examiner's Amendment

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with William Conger on 4/20/07.

The Application has been amended as follows:

In claims 24, page 2, line 5 from the bottom delete "organohalogen compounds and hydrogen;".

Allowed Claims

Claims 24-31, 33-40, 52, 53 and 55 are allowable over the prior art of record.

Art Unit: 1621

Reason For Allowance

The following is an examiner's statement of reasons for allowance: Applicant claims a process for preparing halogen-containing silanes of the general formula 1, comprising reacting silicon, under the action of microwave energy, with elements or compounds selected from the group consisting of halogen and organohalogen compounds; organohalogen compounds and hydrogen halides, and hydrocarbons and hydrogen halides; wherein all the variables are define in the claims. The process was neither found to be obvious nor anticipated by the prior art of record.

R_aH_bSiX_c

formula 1

The closest prior art is Griesshammer et al., {CN 1153138}. Griesshammer et al. teach a process producing trichlorosilane under microwave condition; the process comprises reducing tetrachlorosilane in a fluidised bed reactor containing Si particles, in which a reaction gas containing H₂ and tetrachlorosilane is passed through the fluidised bed to react with the Si particles and produce a product gas containing trichlorosilane. See abstract.

However, the Examiner notes that Griesshammer et al. does not employ the same reactants. While Griesshammer et al. employed a gas containing H2 and tetrachlorosilane while applicants claim a process that employs organohalogen compounds (alkyl halides) and halogen, organohalogen compounds and hydrogen halides or hydrocarbons and hydrogen halides. These differences are not readily apparent and would not have been suggested to one of ordinary skill.

Application/Control Number: 10/510,583

Art Unit: 1621

All claims (24-31, 33-40, 52, 53 and 55) are allowed.

Any comments considered necessary by applicant must be submitted no later

Page 4

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance".

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Chukwuma O. Nwaonicha whose telephone number is

571-272-2908. The examiner can normally be reached on Monday thru Friday, 8:30am

to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Thurman k. Page can be reached on 571-272-0602. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Chukwuma O. Nwaonicha, Ph.D.

Patent Examiner

Art Unit: 1621

Thurman Page.